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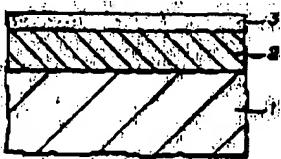
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(54) MAGNETO-OPTICAL RECORDING MEDIUM

(57) Abstract:

PURPOSE: To sharpen the shapes of writing pits and to improve C/N at the time of reading out by using a specific artificial lattice film as a recording layer and forming this recording layer on a substrate via a dielectric underlying film.



CONSTITUTION: The artificial lattice film formed by alternately laminating Co layers and Pt layers and/or Pd layers to 50W800Å total thickness is used as the recording layer 3. Said recording layer 3 is formed on the substrate 1' via the dielectric underlying film 2. The thickness of the Co layers is preferably 2W8Å, the thickness of the Pt layers 3W40Å and the total thickness 50W400Å particularly in case of the artificial lattice film

consisting of a Co-Pt system. The thickness of the Co layers is preferably 1W9Å, the thickness of the Pd layers 2W40Å and the total thickness 50W800Å similarly in

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case of the artificial lattice film consisting of a Co-Pd system. While the boundary faces of the respective metallic layers constituting the artificial lattice film are preferably of a superlattice structure, the boundary faces having a modulated structure (compsn. modulated structure) is equally satisfactory. Oxide compds. such as Al₂O₃ or nitride compds. such as ZrN are usable as the material of the dielectric underlying film. The shapes of the writing pits are thereby sharpened and the C/N at the time of reading out is improved.

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